

REMARKS

Claims 1- 18 are pending in the application. Claims 1 - 18 have been rejected. Claims 19 - 26 have been added.

Claims 1 - 18 stand rejected under Hunt., U.S. Publication No. 20020087657 (Hunt). This rejection is respectfully traversed.

The present invention generally relates to a data delivery mechanism which allows a remote services infrastructure back-channel to be independent of a network layer. The data delivery mechanism allows back-channel communication without the need for network parameters. In the remote service infrastructure, back-channel communication is based upon an internally allocated remote services ID where communication is always established in a forward direction.

When discussing the remote services architecture, the Wookey application sets forth:

The architecture is broadly comprised of the remote service infrastructure 102, a group of service modules 103 and a plurality of communications modules 110. The remote services infrastructure 102 provides reliable remote service delivery and data management. The remote services infrastructure 102 supports the needs of a service creator by focusing the service creator on the needs and the design of the service by eliminating the need for the service creator to be concerned about how data is transferred and managed to and from a customer site.

The remote services infrastructure 102 provides an interface to support the development of services that use a set of common service parameters to develop customized services for a specific service provider or customer. The infrastructure 102 is separately segmented from, but actively interacts with, the service modules 103. (Wookey application, Page 6, lines 8 – 18.)

When discussing forward channel and back-channel communication, the Wookey application sets forth:

The DTDs [i.e., document type definitions] for the XML messages are for both forward and back-channel messages. The primary distinction is that the forward channel messages contain a source element which details where the message originated (in the remote services system 100) and some quality of services (QoS) parameters. The Back-channel message, however, contains the destination element which defines how the

message is routed through the remote services system. (Wookey Application, Page 30, lines 4 – 9, definition of DTD carried forward from elsewhere in application.)

More specifically, the present invention, as set forth by independent claim 1, relates to a method of communicating in a remote services system which includes assigning a component within the remote services system with a unique remote services identifier, communicating a forward channel communication using a forward channel communication path, communicating a back-channel communication using a back-channel communication path, and determining a destination of the back-channel communication based upon the unique remote services identifier of the component.

The present invention, as set forth by independent claim 7, relates to a method of communicating in a remote services system which includes communicating a forward channel communication using a forward channel communication path, and communicating a back-channel communication using a back-channel communication path, the back-channel communication path being established only after a forward channel communication path is established.

The present invention, as set forth by independent claim 13, relates to a method of communicating in a remote services system which includes assigning a component within the remote services system with a unique remote services identifier, communicating a forward channel communication using a forward channel communication path, communicating a back-channel communication using a back-channel communication path, the back-channel communication path being established only after a forward channel communication path is established, and determining a destination of the back-channel communication based upon the unique remote services identifier of the component.

The present invention, as set forth by new independent claim 19, related to a method of communicating in a remote services system which includes assigning a component within the remote services system with a unique remote services identifier, communicating a forward channel communication using a forward channel communication path, communicating a back-channel communication using a back-channel communication path wherein the back-channel communication path is established only after a forward channel communication path is

established and is via a backward message which includes a content section that has at least one of an alarm, an event, a message response, a bulk data request, and a bulk data response, and determining a destination of the back-channel communication based upon the unique remote services identifier of the component.

Hunt relates to a stateless distributed computer architecture. The stateless distributed computer architecture allows a server to create state-caching objects containing server state information and to pass the state-caching objects to a client or network for remoter storage. (See e.g., Hunt ¶32.) A distributed computer system 400 is architected according to a distributed component object model (DCOM which defines how object interact with each other over a network. (See e.g., Hunt ¶37.) A remote procedure call (RPC) protocol is set forth as an example of a suitable object-oriented network protocol. (See e.g., Hunt ¶40.) The system 400 is configured to offload state information to a client where the state information is stored in an object referred to as a state caching object for a network element (SCONE). When a server receives a client request, the service side program objects call a local API to create a server oriented SCONE. The server side object returns a reply packet that contains both the message and the scone. The SCONE includes a service ID field to hold an identity of the server object and a data field pertaining to the state information. (See e.g., Hunt ¶¶42 and 43.)

Nowhere within the portions of Hunt to which the Examiner refers, and in fact no where in Hunt, is there any teaching of a remote services system, much less such a remote services system which includes forward channel communication and back-channel communication as claimed. Accordingly, the Examiner has not established anticipation of the claimed invention nor a prima facie case of obviousness of the claimed invention. (See MPEP § 2131 and 2142.)

More specifically, Hunt does not teach or suggest a method of communicating in a remote services system which includes assigning a component within the remote services system with a unique remote services identifier, communicating a forward channel communication using a forward channel communication path, communicating a back-channel communication using a back-channel communication path, and determining a destination of the back-channel communication based upon the unique remote services identifier of the component, all as

required by claim 1. Accordingly, claim 1 is allowable over Hunt. Claims 2 - 6 depend from claim 1 and are allowable for at least this reason.

Hunt does not teach or suggest a method of communicating in a remote services system which includes communicating a forward channel communication using a forward channel communication path, and communicating a back-channel communication using a back-channel communication path, the back-channel communication path being established only after a forward channel communication path is established, all as required by claim 7. Accordingly, claim 7 is allowable over Hunt. Claims 8 - 12 depend from claim 7 and are allowable for at least this reason.

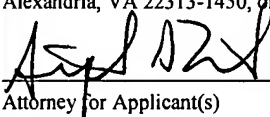
Hunt does not teach or suggest a method of communicating in a remote services system which includes assigning a component within the remote services system with a unique remote services identifier, communicating a forward channel communication using a forward channel communication path, communicating a back-channel communication using a back-channel communication path, the back-channel communication path being established only after a forward channel communication path is established, and determining a destination of the back-channel communication based upon the unique remote services identifier of the component, all as required by claim 13. Accordingly, claim 13 is allowable over Hunt. Claims 14 - 18 depend from claim 13 and are allowable for at least this reason.

Additionally, Hunt does not disclose or suggest a method of communicating in a remote services system which includes assigning a component within the remote services system with a unique remote services identifier, communicating a forward channel communication using a forward channel communication path, communicating a back-channel communication using a back-channel communication path wherein the back-channel communication path is established only after a forward channel communication path is established and is via a backward message which includes a content section that has at least one of an alarm, an event, a message response, a bulk data request, and a bulk data response, and determining a destination of the back-channel communication based upon the unique remote services identifier of the component, all as required by claim 19. Accordingly, claim 19 is allowable over Hunt. Claims 20 - 26 depend from claim 19 and are allowable for at least this reason.

CONCLUSION

In view of the amendments and remarks set forth herein, the application is believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the examiner is requested to telephone the undersigned.

A check in the amount of \$550.00 is enclosed herewith for the additional independent and dependent claim fees. The Commissioner is authorized to charge any underpayment and credit any overpayment to deposit account 502264.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on May 5, 2006.	
 Attorney for Applicant(s)	<u>5/5/06</u> Date of Signature

Respectfully submitted,



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